

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 72-13

WASTE DISCHARGE REQUIREMENTS
FOR
PILLAR POINT HARBOR
SAN MATEO COUNTY HARBOR DISTRICT
SAN MATEO COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, finds that:

- A. San Mateo County Harbor District, called the discharger below, submitted a report of waste discharge dated February 18, 1972.
- B. The discharger proposes to hydraulically dredge 153,000 cubic yards of material from Pillar Point Harbor and dispose of it by filling a diked area within the harbor.
- C. The spoil disposal will result in a return flow to the harbor from the diked area of about 2.9 million gallons per day during construction.
- D. The Board adopted an Interim Water Quality Control Plan for the San Francisco Bay Basin on June 14, 1971.
- E. The beneficial water uses of San Francisco Bay in the vicinity of this disposal site are:
 - Navigation and harborage
 - Swimming, wading, water-skiing, pleasure boating, and fishing
 - Fish, shellfish, and wildlife propagation and sustenance, and waterfowl and migratory birds habitat and resting
 - Esthetic enjoyment
- F. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for this discharge.
- G. This Board at a public meeting on March 28, 1972 heard and considered all comments pertaining to this discharge.

IT IS HEREBY ORDERED, the discharger shall comply with the following:

A. Discharge Specifications

- 1. The dredging or disposal shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
- 2. The dredging or disposal shall not unreasonably affect any of the protected beneficial water uses resulting from:
 - a. Floating, suspended, or deposited macroscopic particulate matter or foam in waters of the State at any place;
 - b. Alteration of apparent color beyond present natural background levels in waters of the State at any place;
 - c. Bottom deposits at any place;
 - d. Aquatic growths at any place

3. The disposal operation shall not cause:

- a. Visible, floating, suspended or deposited oil or other products of petroleum origin in waters of the State at any place.
- b. Waters of the State to exceed the following limits of quality at any point:

pH	7.0 minimum 8.5 maximum
Dissolved Oxygen	5.0 mg/l, minimum
Dissolved Sulfide	0.1 mg/l maximum
Other substances	any one or more substances in concentrations that impair any of the protected beneficial water uses or make aquatic life or wildlife unfit or unpalatable for consumption.

- c. The turbidity of the waters of the State at any point beyond 100 feet from the point of discharge to increase above background levels by more than the following:

Receiving Water Background	Incremental Increase
<50 Units	5 Units, maximum
50-100 Units	10 Units, maximum
>100 Units	10% of Background, maximum

4. The waste as discharged to waters of the State shall meet the following quality limits at all times:

Settleable Matter	1.0 ml/l/hr. maximum
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B. Provisions

1. This Order includes items numbered 1 and 6 of the attached "Reporting Requirements" dated August 28, 1970.
2. This Order includes items numbered 1, 2, 3, 5 and 6 of the attached "Notifications" dated January 6, 1970.
3. The Discharge Specifications shall be met at all times during this construction project.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on March 28, 1972.

Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

August 28, 1970

REPORTING REQUIREMENTS

1. This Board requires the discharger to file technical reports on self-monitoring work performed according to detailed specifications developed pursuant to the Regional Board's Resolution No. 70-43. (Reference: Section 13267(b) and 13268, California Water Code.)
2. This Board requires the discharger to file a written report within 90 days after the average dry-weather waste flow for any month equals or exceeds 80% of the design capacity of his waste treatment and/or disposal facilities. The discharger's senior administrative officer shall sign a letter which transmits that report and certifies that the policy-making body is adequately informed about it. The report shall include:

Average daily flow for the month, the date on which the instantaneous peak flow occurred, the rate of that peak flow, and the total flow for that day.

The discharger's best estimate of when the average daily dry-weather flow rate will equal or exceed the design capacity of his facilities.

The discharger's intended schedule for studies, design, and other steps needed to provide additional capacity for his waste treatment and/or disposal facilities before the waste flow rate equals the capacity of present units. (Reference: Sections 13260, 13267(b) and 13268, California Water Code.)

3. This Board requires the discharger to file a time schedule for engineering studies on facilities needed to comply with the Board's receiving water objective of 5.0 mg/l of dissolved oxygen and/or to file a time schedule for deciding upon the feasibility of participating in regional water quality control systems, if he does not meet that dissolved oxygen objective after providing waste treatment facilities which comply with the effluent BOD requirement prescribed elsewhere in this Resolution. (Reference: Sections 13267(b) and 13268, California Water Code.)
4. This Board requires the discharger to file technical reports on studies into correcting violations of the Board's water quality objectives caused by discharging combined storm water and sewage. Specifications for these studies shall be developed pursuant to the Board's Resolution No. 70-43. (Reference: Sections 13267(b) and 13268, California Water Code.)
5. This Board requires the discharger to file written reports within 15 days after each calendar quarter to include:

Name of and number of lots in each subdivision for which an application has been received for connection to the sewerage system. Anticipated date of connection of each subdivision to the sewerage system.

Finding and supporting data by governing body on effect of addition of each subdivision on violation of waste discharge requirements.

(Reference: Section 11551.6 Business and Professions Code and Section 13267(b) and 13268, California Water Code.)
6. This Board requires the discharger to file a report on waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge. (Reference: Sections 13260(b) and 13264, California Water Code.)
7. This Board requires the discharger to file a written technical report at least 15 days prior to advertising for bids on any construction project which would cause or aggravate the discharge of waste in violation of these requirements; said report to describe the nature, costs, and scheduling of all actions necessary to preclude such discharge. In no case should any discharge of sewage bearing wastes be permitted without at least primary treatment and chlorination. (Reference: Sections 13267(b) and 13268, California Water Code.)

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

January 6, 1970

NOTIFICATIONS

1. This Board requests the discharger to take note of the comments and recommendations contained in all the correspondence the Board has received and considered concerning this matter, and the Executive Officer is directed to transmit copies of that correspondence to the discharger.
2. This Board considers "Waters of the State" as defined in Section 13050(e) of the California Water Code to include waste waters over which the discharger has lost control.
3. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from his liabilities under Federal, State, or local laws, nor guarantee the discharger a capacity right in the receiving waters.
4. This Board will prescribe more restrictive requirements for this waste discharge if necessary:
 - To achieve or maintain dissolved oxygen concentration of at least 5.0 mg/l in tidal waters of the San Francisco Bay System pursuant to Resolution No. 67-30,
 - To protect shellfishing areas which the Board designates pursuant to Resolution No. 803,
 - To protect the beneficial water uses, and to achieve other objectives adopted in the resolutions cited above.
5. This Board will review these requirements periodically, as required by law, and will notify the responsible persons before doing so. (Reference: Section 13263(e), California Water Code.)
6. The water quality parameters used in this resolution are as defined in the latest edition of "Standard Methods for the Examination of Water and Wastewater" by the American Public Health Association.
7. The discharger is advised that this Board will use the general concepts of Phase I of the plan recommended by the Final San Francisco Bay-Delta Program Report as guidelines in reviewing any application for construction grants for sewerage facilities proposed to comply with these requirements, and if the discharger intends to make such application he must demonstrate the compatibility of the proposed facilities with the general concepts of the Bay-Delta Program.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

PROPOSED REVISED

SELF-MONITORING PROGRAM

FOR

Pillar Point Harbor, San Mateo County

Harbor District

San Mateo County

ORDER NO. 72-13

CONSISTS OF

PART A, dated January 1978

AND

PART B

PROPOSED AMENDED
SELF-MONITORING PROGRAM

PILLAR POINT HARBOR, SAN MATEO COUNTY HARBOR DISTRICT

PART B

I. DESCRIPTION OF SAMPLING STATIONS AND SCHEDULE OF SAMPLING, ANALYSES, AND OBSERVATIONS

A. Return Water Monitoring

The following return water monitoring program shall be implemented if wastewater from any disposal site is returned or discharged to any surface waters.

Return water samples shall be grab samples obtained while water is being returned or discharged to surface waters at least thirty minutes after the start of such discharge. These samples shall be taken at the following stations:

<u>Station</u>	<u>Description</u>
E-1 to E-n	At any point in the outfall from each decant pond between the point of discharge and the point at which all waste tributary to that outfall is present.

The following shall constitute the return water monitoring program:

<u>Parameter</u>	<u>Unit</u>	<u>Station</u>
Settleable Solids	ml/l/hr	E-1 to E-n

Frequency

During the first day of discharge grab samples shall be collected and analyzed hourly. During the first seven days of discharge, grab samples shall be collected and analyzed three times each day at equal intervals throughout the period of discharge. Thereafter, sampling shall be done daily at the approximate time of peak discharge.

If any sample is in violation of the 1.0 ml/l/hr limitation, corrective action shall be taken immediately and sampling increased to hourly until the discharge is again in compliance.

B. RECEIVING WATER MONITORING

All receiving water sample shall be grab samples obtained within three feet of the water surface. Sampling during operations shall be while dredging and/or land disposal is occurring during outgoing tide, downcurrent and at least thirty minutes after the start of such work. Receiving water samples shall be taken at the following stations:

<u>Station</u>	<u>Description</u>
C-1	At a point in Pillar Point Harbor, 100 feet downcurrent from the point of dredging operations.
C-2	At a point in Pillar Point Harbor 200 feet downcurrent from the point of dredging operations.
C-3	At a point in Pillar Point Harbor 100 feet downcurrent from the point of discharge, to the beach replenishment site.
C-4	At a point in Pillar Point Harbor 200 feet downcurrent from the point of discharge to the beach replenishment site.
C-5	At a point in Pillar Point Harbor 100 feet downcurrent from each point of discharge from any land disposal site.
*C-R	At a point in Pillar Point Harbor at least 100 feet upcurrent from any dredging or disposal site and beyond the influence of the spoil plume.

The following shall constitute the receiving water monitoring program:

<u>Parameter</u>	<u>Units</u>	<u>Station</u>
Dissolved oxygen	mg/l	All C Stations
Clarity**	feet	All C Stations
Turbidity	NTU	All C Stations
Total and Dissolved Sulfides	mg/l	All C Stations (If dissolved oxygen < 5.0 mg/l)

Frequency

All receiving water analyses shall be performed once immediately prior to beginning dredging and twice at equal intervals later that day after dredging and/or beach disposal have begun. Sampling shall be conducted daily thereafter. If monitoring data show consistent compliance, the Executive Officer may reduce the monitoring frequency accordingly, upon request from the discharger.

Color photographs shall be taken at time of sampling to record the presence and extent of visible effects of operations. A sketch of the limits of each visible waste field shall be part of the map or photographs which indicate sampling locations for each sampling day.

OBSERVATIONS

The following receiving water observations shall be made and logged daily during dredging operations:

- a. Date, time, duration, and location of all dredging and disposal activities.
- b. Direction and speed of any currents
- c. General weather conditions and wind velocity
- d. Tide stage
- e. Appearance of trash, floatable material, grease, oil or oily slick, or other objectionable materials
- f. Discoloration and turbidity
- g. Odors

*To be monitored only when necessary to establish a true ambient value for clarity, that is, when clarity at 200 foot stations is significantly influenced by the spoil plume due to strong downstream currents and slow settling of spoil particulates. When Station C-R is not monitored, the reason(s) therefore shall be stated.

**Determined by means of 20-cm Secchi disk at time of sampling.

I, Roger B. James, Executive Officer, do hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 72-13.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

ROGER B. JAMES
Executive Officer

Effective Date _____